

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**DOLET HILLS LIGNITE COMPANY, LLC-DOLET HILLS MINE**  
**PROPOSED STATE AIR OPERATING PERMIT MODIFICATION**

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed state air operating permit modification for Dolet Hills Lignite Company, LLC, 377 Hwy 522, Mansfield, LA 71052 for the Dolet Hills Mine. **The facility is located at 377 Hwy 522, Mansfield, DeSoto Parish.**

The Dolet Hills Lignite Company extracts lignite coal from deposits that are close to the surface. The facility currently operates under Permit No. 0760-00008-03 issued on May 31, 2007.

Dolet Hills Lignite Company requested the following changes:

Dolet Hills Lignite Company proposes to group all of the facility's small diesel equipment into a single source, which will have an annual limit on horsepower-hours. This will minimize the number of requests for minor modifications each time a small engine needs to be replaced.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	1,725.35	1,726.16	+0.81
SO <sub>2</sub>	17.21	17.59	+0.38
NO <sub>x</sub>	97.90	94.98	-2.92
CO	36.06	39.94	+3.88
VOC	16.77	17.29	+0.52

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, March 20, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application and proposed permit are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at [www.deq.louisiana.gov](http://www.deq.louisiana.gov).

Additional copies may be reviewed at DeSota Parish Library, Headquarters, 109 Crosby Street, Mansfield, LA 71052.

Inquiries or requests for additional information regarding this permit action should be directed to Traci Green, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3009.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [deqmailistrequest@la.gov](mailto:deqmailistrequest@la.gov) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permit** can be viewed at the LDEQ permits public notice webpage at [www.deq.louisiana.gov/apps/pubNotice/default.asp](http://www.deq.louisiana.gov/apps/pubNotice/default.asp) and general information related to the public participation in permitting activities can be viewed at [www.deq.louisiana.gov/portal/tabid/2198/Default.aspx](http://www.deq.louisiana.gov/portal/tabid/2198/Default.aspx).

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [www.doa.louisiana.gov/oes/listservpage/ldeq\\_pn\\_listserv.htm](http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm)

**All correspondence should specify AI Number 11541, Permit Number 0760-00008-04, and Activity Number PER20070001.**

Scheduled Publication Date: February 14, 2008

BOBBY JINDAL  
Governor



HAROLD LEGGETT, PH.D.  
Secretary

# Louisiana Department of Environmental Quality

## Office of Environmental Services

Certified Mail No.:

Activity No.: PER20070001  
Agency Interest No.: 11541

Mr. Dennis J. Meyer  
General Manager  
Dolet Hills Mine  
377 Hwy 522  
Mansfield, LA 71052

RE: Permit Modification, Dolet Hills Mine, Dolet Hills Lignite Co., LLC  
Mansfield, DeSoto Parish, Louisiana

Dear Mr. Meyer:

This is to inform you that the permit modification request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to [facupdate@la.gov](mailto:facupdate@la.gov).

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Permit No.: 0760-00008-04

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN:trg

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Dolet Hills Mine**  
**Agency Interest No.: 11541**  
**Dolet Hills Lignite Co., LLC**  
**Mansfield, DeSoto Parish, Louisiana**

**I. BACKGROUND**

Southwestern Electric Power Company was issued Permit No. 1050 on October 26, 1978, for the Lignite Mine Dolet Hills Project. Active mining operations began in August 1985 after the 640 MW Dolet Hills Power Station's construction was completed. On June 1, 2001, the operation of the facility was transferred to the Dolet Hills Lignite Company. The approximately 30,000 acre mine is within Townships 11 and 12 North, and Ranges 10, 11, 12, and 13 West of Eastern De Soto Parish. The two main entrances to the mine are on Louisiana Highway 177, approximately one mile west of Interstate I-49 and approximately one and three quarters miles east of Louisiana Highway 552 and Truevine Road. The facility currently operates under Permit No. 0760-00008-03 issued on May 31, 2007.

**II. ORIGIN**

A permit application and Emission Inventory Questionnaire (EIQ) dated July 10, 2007 were received requesting a permit modification. Additional information was received on November 19, 2007 and December 19, 2007.

**III. DESCRIPTION**

The Dolet Hills Lignite Company extracts lignite from deposits that are close to the surface. Lignite is a coal in the early stages of coalification, with properties intermediate to those of bituminous coal and peat. Lignite normally has high moisture content (between 20% and 40% by weight) and a low heating value. Lignite also has low sulfur content. The Louisiana Department of Natural Resources issued a lignite mining permit for an area of approximately 30,000 acres. The lignite is used primarily as a fuel source for the Dolet Hills Power Plant, which is located near Naborton, Louisiana.

Lignite mining operations can be divided into four primary processes or areas.

- Active Mining
- Reclamation
- Inactive Areas
- Ancillary Support areas

Active mining areas are those regions where the lignite is being uncovered, excavated or removed. To access the lignite, the overburden, ranging in depth from 20 to 140 feet, is removed by electric walking draglines. Once exposed, the lignite is excavated using a backhoe. The lignite is loaded into haul trucks and transported to a central lignite storage pile or directly loaded onto a conveyor. As the dragline digs the pit to uncover the lignite, the material removed is stockpiled in an adjoining area that was previously mined. The ridges formed by the dragline as it dumps the

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**Dolet Hills Mine**  
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**Mansfield, DeSoto Parish, Louisiana**

overburden are then re-graded with bulldozers. As the next pit is dug, the excavated materials are used to fill in the prior mine pit. This refilling process is used to return mined areas to their approximate surface prior to mining, thus beginning the reclamation process.

Reclamation and re-vegetation starts when active mining operations cease. Dozers and scrapers are used to grade the spoil. Four feet of oxidized material is hauled by trucks and spread by dozers to provide a finished surface. Drop structures and terraces are designed and installed to control erosion. The land is then tilled and ground cover is planted to further stabilize any slopes.

Inactive areas include areas that have not been mined and areas where the reclamation process has been completed.

Ancillary support areas provide services which support mining and reclamation activities. These include haul roads, lignite bulk storage and transfer areas, equipment staging and maintenance areas, material and fuel storage areas, subcontractor equipment staging and construction services and sanitary wastewater treatment. The equipment staging, maintenance, material and fuel storage areas are located throughout the mine and are moved as needed to remain close to active mine sites.

Dolet Hills Lignite Company proposes to group all of the facility's small diesel equipment into a single source, which will have an annual limit on horsepower-hours. This will minimize the number of requests for minor modifications each time a small engine needs to be replaced.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	1,725.35	1,726.16	+0.81
SO <sub>2</sub>	17.21	17.59	+0.38
NO <sub>x</sub>	97.90	94.98	-2.92
CO	36.06	39.94	+3.88
VOC	16.77	17.29	+0.52

#### **IV. TYPE OF REVIEW**

This permit was reviewed for compliance with Louisiana Air Quality Regulations, Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply. Diesel equipment included in CAP may be subject to New Source Performance Standards (NSPS) Subpart III.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

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**Dolet Hills Mine**  
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**Dolet Hills Lignite Co., LLC**  
**Mansfield, DeSoto Parish, Louisiana**

**V. PUBLIC NOTICE**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **Date**; and in *The Enterprise & Interstate Progress*, Mansfield, on **Date**. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **Date**. All documents will be considered prior to issuance of the permit.

**VI. EFFECTS ON AMBIENT AIR**

Dispersion Model(s) Used: None

**VII. GENERAL CONDITION XVII ACTIVITIES**

None

**VIII. INSIGNIFICANT ACTIVITIES**

ID No.:	Description	Citation
BP-001	2,000 gallon Diesel Tanks	LAC 33:III.501.B.5.A.3
BP-004	550 gallon Lube Oil Tanks	LAC 33:III.501.B.5.A.3
BP-005	550 gallon Lube Oil Tanks	LAC 33:III.501.B.5.A.3
BP-006	1,000 gallon Used Oil Tank	LAC 33:III.501.B.5.A.3
FC-007	1,000 gallon Hydraulic Oil Tanks	LAC 33:III.501.B.5.A.3
FC-008	1,000 gallon Hydraulic Oil Tanks	LAC 33:III.501.B.5.A.3
FC-009	2,000 gallon Lube Oil Tank	LAC 33:III.501.B.5.A.3
FC-010	500 gallon Lube Oil Tank	LAC 33:III.501.B.5.A.3
RS-001	2,000 gallon Diesel Tanks	LAC 33:III.501.B.5.A.3
RS-002	3,000 gallon Diesel Tanks	LAC 33:III.501.B.5.A.3
RS-003	2,000 gallon Diesel Tanks	LAC 33:III.501.B.5.A.3
PP-002	5,000 gallon Diesel Tank	LAC 33:III.501.B.5.A.3

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated July 10, 2007. Additional information was received on November 19, 2007 and December 19, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
  2. Report by September 30 to cover April through June
  3. Report by December 31 to cover July through September
  4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

## General Information

**AI ID:** 11541 Dolet Hills Mine  
**Activity Number:** PER20070001  
**Permit Number:** 0760-00008-04  
**Air - Minor (Synthetic) Modification**

Also Known As:	ID	Name	User Group	Start Date
	0760-00008	Dolet Hills Mine	CDS Number	05-27-1993
	36-373535	Federal Tax ID	Federal Tax ID	11-21-1999
	LA0064076	LPDES #	LPDES Permit #	06-25-2003
	WP0338	LWDPs #	LWDPs Permit #	06-25-2003
	D-031-1531	Dolet Hills Lignite Mine	Solid Waste Facility No.	11-09-1983
	4202	Southwestern Electric Power Co (SWEPCO) - Dolet Hills Project	TEMPO Merge	06-20-2002
	WQC JP 050442-11	Water Quality Certification #	Water Certification	04-22-2005
Physical Location:			Main Phone:	3188726300
Mailing Address:	377 Hwy 522 Mansfield, LA 71052			
Location of Front Gate:	32° 2' 33" latitude, 93° 38' 6" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Dennis Meyer	377 Hwy 522 Mansfield, LA 71052	DWWRIGHT@AEP.C	Responsible Official for
	David Wright	377 Hwy 522 Mansfield, LA 71052	3188726300 (ext 122)	Air Permit Contact For
	David Wright	377 Hwy 522 Mansfield, LA 71052	3188725752 (WF)	Air Permit Contact For
	David Wright	377 Hwy 522 Mansfield, LA 71052	DWWRIGHT@AEP.C	Air Permit Contact For
	David Wright	377 Hwy 522 Mansfield, LA 71052	3188726300 (ext 122)	Emission Inventory Contact for
	David Wright	377 Hwy 522 Mansfield, LA 71052	3188725752 (WF)	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Dolet Hills Lignite Co LLC	377 Hwy 522 Mansfield, LA 71052	Water Billing Party for	
	Dolet Hills Lignite Co LLC	377 Hwy 522 Mansfield, LA 71052	Air Billing Party for	
	Dolet Hills Lignite Co LLC	377 Hwy 522 Mansfield, LA 71052	Owns	
	Dolet Hills Lignite Co LLC	377 Hwy 522 Mansfield, LA 71052	Operates	

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

## INVENTORIES

AI ID: 11541 - Dolet Hills Mine  
 Activity Number: PER20070001  
 Permit Number: 0760-000008-04  
 Air - Minor (Synthetic) Modification

### Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Dolet Hills Mine</b>						
EQT0034	MS-001 - Lube Oil Tank (10,000 gal.)	10000 gallons	150000 gallons/yr	150000 gallons/yr	Lube Oil	8760 hr/yr (All Year)
EQT0077	7-07 - Small Diesel Powered Equipment				11,698,800.00 hp-hrs/yr	161700 hr/yr (All Year)
EQT0078	4-05b - Gasoline Tanks CAP				Gasoline	8760 hr/yr (All Year)
EQT0079	4-05a - Diesel Tanks CAP				Diesel	8760 hr/yr (All Year)
EQT0080	5-02 - Large Portable Generators CAP				5,250,000 hp-hrs/yr	7000 hr/yr (All Year)
FUG0001	1-02 - Lignite Loading Fugitives		4.8 MM tons/yr	4 MM tons/yr		8760 hr/yr (All Year)
FUG0002	2-02 - Overburden & Lignite Bulldozing Fugitives		Not applicable	Not applicable		8760 hr/yr (All Year)
FUG0003	3-02 - Dragline Fugitives		68.1 MM yd <sup>3</sup> /yr	59.8 MM yd <sup>3</sup> /yr		8760 hr/yr (All Year)
FUG0004	4-02 - Vehicle Traffic Fugitives		1.94 (other units)	1.42 (other units)	MM VMT/yr	8760 hr/yr (All Year)
FUG0005	5-05 - Lignite Storage Pile Fugitives		Not applicable	Not applicable		8760 hr/yr (All Year)

### Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Dolet Hills Mine</b>							
EQT0077	7-07 - Small Diesel Powered Equipment	67	200	25		10	
EQT0080	5-02 - Large Portable Generators CAP					200	

### Relationships:

### Subject Item Groups:

ID	Group Type	Group Description
CRG0001	Common Requirements Group	NSPS Subpart III - NSPS Subpart III requirements
UNF0001	Unit or Facility Wide	Dolet Hills Mine - Dolet Hills Mine

### Group Membership:

ID	Description	Member of Groups
EQT0077	7-07 - Small Diesel Powered Equipment	CRG0000000001
EQT0080	5-02 - Large Portable Generators CAP	CRG0000000001

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

### Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
0020	Bituminous Coal and Lignite Mining		
<b>SIC Codes:</b>			
1211	Bituminous Coal & Lignite-Mng	A111541	

## INVENTORIES

AI ID: 11541 - Dolet Hills Mine  
Activity Number: PER20070001  
Permit Number: 0760-00008-04  
Air - Minor (Synthetic) Modification

### SIC Codes:

1211	Bituminous Coal & Lignite-Mng	UNF001
5062	Coal and other minerals and ores	A11541

## EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID:** 11541 - Dolet Hills Mine  
**Activity Number:** PER20070001  
**Permit Number:** 0760-00008-04  
**Air - Minor (Synthetic) Modification**

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Dolet Hills Mine</b>															
EQT 0034 MS-001													0.001	0.001	0.003
EQT 0077 7-07	8.32	9.98	36.44	15.86	19.03	69.46	2.58	3.09	11.29	2.76	3.31	12.08	3.49	4.19	15.28
EQT 0078 4-05b													0.37	0.06	1.63
EQT 0079 4-05a													0.01	0.01	0.10
EQT 0080 5-02	2.00	2.40	3.50	14.58	17.50	25.52	0.60	0.72	1.05	3.15	3.78	5.51	0.16	0.19	0.28
FUG 0001 1-02										1.97	2.46	8.60			
FUG 0002 2-02										3.76	6.97	16.47			
FUG 0003 3-02										28.99	101.84	126.96			
FUG 0004 4-02										355.99	486.31	1559.23			
FUG 0005 5-05										0.58	213.39	2.56			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

## SPECIFIC REQUIREMENTS

AI ID: 11541 - Dolet Hills Mine  
Activity Number: PER2007001  
Permit Number: 0760-000008-04  
Air - Minor (Synthetic) Modification

### EQT0077 Small Diesel Powered Equipment CAP

- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year      Statistical Basis: Six-minute average
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:II. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- Submit report: Due annually, by the 31st of March. Report the total combined operating rate for all diesel powered equipment for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- Total Combined Operating Rate recordkeeping by electronic or hard copy continuously. Keep records of the total combined operating rate for all diesel powered equipment each month, as well as the total combined operating rate for all diesel powered equipment for the last twelve months. Make records available for inspection by DEQ personnel.
- Total Combined Operating Rate <= 11,698,800 hp-hr/year. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined operating rate for all diesel powered equipment exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- Total Combined Operating rate monitored by technically sound method continuously.
- 6 [LAC 33:III.501.C.6]

### EQT0078 Gasoline Tanks CAP

- Equip with a submerged fill pipe.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- Submit report: Due annually, by the 31st of March. Report the total combined throughput for all gasoline storage tanks for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- Total Combined Throughput <= 0.1613 MM gallons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total combined throughput for all gasoline storage tanks exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- Which Months: All Year      Statistical Basis: Annual maximum
- Total Combined Throughput monitored by technically sound method continuously.
- Which Months: All Year      Statistical Basis: None specified
- Total Combined Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total combined throughput for all gasoline storage tanks each month, as well as the total combined throughput for all gasoline storage tanks for the last twelve months. Make records available for inspection by DEQ personnel.
- 6 [LAC 33:III.501.C.6]
- 7 [LAC 33:III.2103.A]
- 8 [LAC 33:III.2103.H.3]
- 9 [LAC 33:III.2103.I]
- 10 [LAC 33:III.501.C.6]
- 11 [LAC 33:III.501.C.6]
- 12 [LAC 33:III.501.C.6]
- 13 [LAC 33:III.501.C.6]

### EQT0079 Diesel Tanks CAP

- Submit report: Due annually, by the 31st of March. Report the total combined throughput for all diesel storage tanks for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 14 [LAC 33:III.501.C.6]

## SPECIFIC REQUIREMENTS

AI ID: 11541 - Dolet Hills Mine  
Activity Number: PER2007001  
Permit Number: 0760-00008-04  
Air - Minor (Synthetic) Modification

### EQT0079 Diesel Tanks CAP

15 [LAC 33:III.501.C.6]

Total Combined Throughput <= 3.24 MM gallons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total combined throughput for all diesel storage tanks exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year      Statistical Basis: Annual maximum

16 [LAC 33:III.501.C.6]

Total Combined Throughput monitored by technically sound method continuously.

Which Months: All Year      Statistical Basis: None specified

17 [LAC 33:III.501.C.6]

Total Combined Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total combined throughput for all diesel storage tanks each month, as well as the total combined throughput for all diesel storage tanks for the last twelve months. Make records available for inspection by DEQ personnel.

### EQT0080 Large Portable Generators CAP

18 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year      Statistical Basis: Six-minute average

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. The stack test shall be performed once for each source covered by this equipment CAP. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NO<sub>x</sub>, CO and O<sub>2</sub> concentrations in the stack gas obtained during annual testing.

Stack gas concentration: Carbon monoxide monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year      Statistical Basis: None specified

Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NO<sub>x</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year      Statistical Basis: None specified

19 [LAC 33:III.1513]

20 [LAC 33:III.501.C.6]

21 [LAC 33:III.501.C.6]

22 [LAC 33:III.501.C.6]

23 [LAC 33:III.501.C.6]

## SPECIFIC REQUIREMENTS

AI ID: 11541 - Dolet Hills Mine  
Activity Number: PER2007001  
Permit Number: 0760-00008-04  
Air - Minor (Synthetic) Modification

### EQT0080 Large Portable Generators CAP

- 24 [LAC 33:III.501.C.6] Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O<sub>2</sub> in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- 25 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 26 [LAC 33:III.501.C.6] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 27 [LAC 33:III.501.C.6] Submit report: Due annually, by the 31st of March. Report the total combined operating rate for the generators for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 28 [LAC 33:III.501.C.6] Total Combined Operating Rate recordkeeping by electronic or hard copy continuously. Keep records of the total combined operating rate for the generators each month, as well as the total combined operating rate for the generators for the last twelve months. Make records available for inspection by DEQ personnel.
- 29 [LAC 33:III.501.C.6] Total Combined Operating Rate<=5,250,000 hp·hr/year. Notify the Office of Environmental Compliance, Enforcement Division if the combined operating rate of the generators exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 30 [LAC 33:III.501.C.6] Total Combined Operating rate monitored by technically sound method continuously.

### FUG0001 1-02 Lignite Loading Fugitives

- 31 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

### FUG0002 2-02 Overburden & Lignite Bulldozing Fugitives

- 32 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

### FUG0003 3-02 Dragline Fugitives

- 33 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

### FUG0004 4-02 Vehicle Traffic Fugitives

- 34 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

### FUG0005 5-05 Lignite Storage Pile Fugitives

## SPECIFIC REQUIREMENTS

AI ID: 11541 - Dolet Hills Mine  
Activity Number: PER20070001  
Permit Number: 0760-00008-04  
Air - Minor (Synthetic) Modification

### FUG0005 5-05 Lignite Storage Pile Fugitives

35 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

#### CRG0001 NSPS Subpart III requirements

Group Members: EQT0077 EQT0080

- 36 [40 CFR 60.4204(a)]  
All Pre-2007 model year engines with a displacement of < 10 liters per cylinder shall comply with the appropriate emission standards of Table 1 of 40 CFR 60, Subpart III. [40 CFR 60.4204(a)]  
Comply with the emission standards for new CI engines in 40 CFR 60.4201, as applicable. Subpart III. [40 CFR 60.4204(b)]  
Operate and maintain stationary CI ICE according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Subpart III.  
Beginning October 1, 2007, use diesel fuel that meets the requirements of 40 CFR 80.510(a). Subpart III. [40 CFR 60.4207(a)]  
Beginning October 1, 2010, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Subpart III. [40 CFR 60.4207(b)]  
If a stationary CI internal combustion engine is equipped with a diesel particulate filter in order to comply with the emission standards as outlined in 60.4204, Pressure monitored by pressure instrument continuously during operation. Install a backpressure monitor on the diesel particulate filter that notifies the owner or operator when the high backpressure limit of the engine is approached. Subpart III (Monitoring the pressure drop only applies if a particulate filter is used.)  
[40 CFR 60.4209(b)]  
Which Months: All Year Statistical Basis: None specified  
Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, only change those settings that are permitted by the manufacturer. Also meet the requirements of 40 CFR 89, 94 and/or 1068, as applicable. Subpart III. [40 CFR 60.4211(a)]  
Demonstrate compliance according to one of the methods specified in 40 CFR 60.4211(b)(1) through (b)(5). Subpart III. [40 CFR 60.4211(b)]  
Ensure engine is certified to the emission standards in 40 CFR 60.4204(b), or 40 CFR 60.4025(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. Install and configure according to the manufacturer's specifications. Subpart III. [40 CFR 60.4211(c)]  
Equipment/operational data monitored by technically sound method continuously. Subpart III. [40 CFR 60.4211(d)(2)]  
Which Months: All Year Statistical Basis: None specified  
Submit petition to DEQ for approval of operating parameters to be monitored continuously. Include the information described in 40 CFR 60.4211(d)(2)(i) through (d)(2)(v). Subpart III. [40 CFR 60.4211(d)(2)]  
If required to conduct performance tests, Conduct performance tests according to 40 CFR 60.4212(a) through (d). Subpart III. Depending on the applicable regulation, performance may not be required for all engines.  
42 [40 CFR 60.421 (a)]  
43 [40 CFR 60.4211(b)]  
44 [40 CFR 60.4211(c)]  
45 [40 CFR 60.4211(d)(2)]  
46 [40 CFR 60.4211(d)(2)]  
47 [40 CFR 60.4212]

## **SPECIFIC REQUIREMENTS**

AI ID: 11541 - Dolet Hills Mine  
Activity Number: PER20070001  
Permit Number: 0760-000008-04  
Air - Minor (Synthetic) Modification

### **CRG0001 NSPS Subpart III requirements**

48 [40 CFR 60.4214(c)]

If a stationary CI internal combustion engine is equipped with a diesel particulate filter, Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached. Subpart III. [40 CFR 60.4214(c)]

### **UNF0001 Dolet Hills Mine**

49 [40 CFR 60.4208]

50 [40 CFR 82. Subpart F]

51 [LAC 33:III.1103]

52 [LAC 33:III.1109.B]

53 [LAC 33:III.1303.B]

54 [LAC 33:III.2113.A]

55 [LAC 33:III.219]

56 [LAC 33:III.5611.A]

57 [LAC 33:III.5611.B]

58 [LAC 33:III.919.D]

- Comply with all applicable deadlines specified in 40 CFR 60.4208(a) through (h). Subpart III.
- Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- Outdoor burning of waste material or other combustible material is prohibited.
- Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.